

	Type	Hits	Search Text	DBs
1	BRS	79813	((light near emit\$4) or LED) and heat	USPAT; JPO
2	BRS	1313	((light near emit\$4) or LED) and second near heat	USPAT; JPO
3	BRS	1453	((light near emit\$4) or LED) and (dual or double) with heat	USPAT; JPO
4	BRS	58	((light near emit\$4) or LED) and (dual or double) near heat	USPAT; JPO
5	BRS	39	257/\$.ccls. and ((light near emit\$4) or LED) and (dual or double) with heat	USPAT; JPO
6	BRS	472	(semiconductor or die or chip or IC) and ((light near emit\$4) or LED) and (dual or double) with heat	USPAT; JPO
7	BRS	40	(semiconductor or die or chip or IC) and ((light near emit\$4) or LED) same (dual or double) with heat	USPAT; JPO
8	BRS	150	((light near emit\$4) or LED) same (dual or double) with heat	USPAT; JPO
9	BRS	79	((light near emit\$4) or LED or diode) same (dual or double) with heat near (sink)	USPAT; JPO
10	BRS	1	"3683296".PN.	USPAT
11	BRS	1	"4057101".PN.	USPAT
12	BRS	1	"4092614".PN.	USPAT
13	BRS	1	"4219072".PN.	USPAT
14	BRS	1	"4228406".PN.	USPAT
15	BRS	1	"4233567".PN.	USPAT
16	BRS	1	"4315225".PN.	USPAT
17	BRS	1	"4393393".PN.	USPAT
18	BRS	1	"4415234".PN.	USPAT

	Type	Hits	Search Text	DBs
19	BRS	1	"4454602".PN.	USPAT
20	BRS	1	"4573067".PN.	USPAT
21	BRS	1	"4673030".PN.	USPAT
22	BRS	1	"4709750".PN.	USPAT
23	BRS	1	"4852109".PN.	USPAT
24	BRS	1	"4881233".PN.	USPAT
25	BRS	1	"4963741".PN.	USPAT
26	BRS	1	"5005640".PN.	USPAT
27	BRS	1	"5076348".PN.	USPAT
28	BRS	1	"5105429".PN.	USPAT
29	BRS	1	"5220954".PN.	USPAT
30	BRS	1	"5253260".PN.	USPAT
31	BRS	1	"5265113".PN.	USPAT
32	BRS	1	"5315154".PN.	USPAT
33	BRS	1	"5394427".PN.	USPAT
34	BRS	1	"5520244".PN.	USPAT
35	BRS	1	"5734672".PN.	USPAT
36	BRS	59	((light near emit\$4) or LED or diode) same (dual or double) with heat near (exchanger or transfer or spreader or stiffener or dissipat\$3)	USPAT; JPO
37	BRS	417	((light near emit\$4) or LED or diode) same (second) with heat near (exchanger or transfer or spreader or stiffener or dissipat\$3)	USPAT; JPO

	Type	Hits	Search Text	DBs
38	BRS	627	((light near emit\$4) or LED or diode) same (two or second) with heat near (exchanger or transfer or spreader or stiffener or dissipat\$3)	USPAT; JPO
39	BRS	3	"4566027"	USPAT; JPO
40	BRS	368	((light near emit\$4) or LED or diode) same (second) with heat near (exchanger or transfer or spreader or stiffener or dissipat\$3)	USPAT; JPO
41	BRS	1100	(semiconductor or die or chip or IC) and (laser or diode) and (dual or double) with heat	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
42	BRS	203	(semiconductor or die or chip or IC) and (laser or diode) and (dual or double) with heat near (sink or plate or spreader)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
43	BRS	123	(semiconductor or die or chip or IC) and (laser or diode) and (dual or double) with heat near (transfer or exchanger or dissipator or stiffener)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
44	BRS	1	"5734672".PN.	USPAT
45	BRS	69	257/\$.ccls. and (laser or diode or light near emitting or LED) and (double or two or dual) near heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
46	BRS	1	"4091408" and (laser or diode or light near emitting or LED) and (double or two or dual) near heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

	Type	Hits	Search Text	DBs
47	BRS	0	"3862003" and (laser or diode or light near emitting or LED) and (double or two or dual) near heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
48	BRS	1	"3867003" and (laser or diode or light near emitting or LED) and (double or two or dual) near heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
49	BRS	2411	257/\$.ccls. and (laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
50	BRS	2227	257/\$.ccls. and (laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate)	USPAT; JPO
51	BRS	2069	257/\$.ccls. and (laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate)	USPAT
52	BRS	1266	257/\$.ccls. and (laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead	USPAT

	Type	Hits	Search Text	DBs
53	BRS	0	"6256200" and ((light near emit\$4) or LED) and heat	USPAT; JPO
54	BRS	1	"6256200" and ((light near emit\$4) or LED or laser or diode) and heat	USPAT; JPO
55	BRS	2	"4566027" and (laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead	USPAT
56	BRS	0	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead near "35" adj microns	USPAT
57	BRS	0	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead near "30" adj microns	USPAT
58	BRS	0	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead near "25" adj microns	USPAT
59	BRS	0	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead near "20" adj microns	USPAT

	Type	Hits	Search Text	DBs
60	BRS	0	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead near "15" adj microns	USPAT
61	BRS	8	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead near microns	USPAT
62	BRS	139	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead with microns	USPAT
63	BRS	8	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and lead near microns	USPAT
64	BRS	58	(laser or diode or light near emitting or LED) and lead near microns	USPAT
65	BRS	57181	257/\$.ccls. lead near microns	USPAT
66	BRS	57069	257/\$.ccls. heat near sink and lead near microns	USPAT
67	BRS	57065	257/\$.ccls. heat near sink and lead near wire near microns	USPAT
68	BRS	0	257/\$.ccls. and heat near sink and lead near wire near microns	USPAT
69	BRS	2	257/\$.ccls. and heat near sink and wire near microns	USPAT

	Type	Hits	Search Text	DBs
70	BRS	9	(laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and wire near microns	USPAT
71	BRS	33	(laser or diode or light near emitting or LED) and wire near microns	USPAT
72	BRS	1	"5544269" and (laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate) and (lead or wire)	USPAT
73	BRS	1	"5544269" and (laser or diode or light near emitting or LED) and heat near (transfer or exchanger or dissipator or stiffener or sink or spreader or slug or plate)	USPAT
74	BRS	3	"5544269"	USPAT
75	BRS	0	257/\$.ccls. and diameter near lead near wire near microns	USPAT
76	BRS	1	diameter near lead near wire near microns	USPAT
77	BRS	0	diameter with lead near wire near microns	USPAT
78	BRS	25	diameter with lead near wire with microns	USPAT
79	BRS	4	light near emitting and diameter with lead near wire with microns	USPAT
80	BRS	17	light near emitting and diameter with lead near wire with (microns or nm or mm)	USPAT
81	BRS	25	diameter with lead near wire with (microns)	USPAT
82	BRS	61	diameter near wire near microns	USPAT
83	BRS	3	"5544269"	USPAT

	Type	Hits	Search Text	DBs
105	BRS	13	5544269.pn. or 59208788.pn. or 59211252.pn. or 6299056.pn. or 6256200.pn. or 4091408.pn. or 4566027.pn. or 61067971.pn. or 6307871.pn. or 5834842.pn. or 5616886.pn. or 3867003.pn. or 6306680.pn.	USPAT; JPO
106	BRS	0	(257/706 or 257/433) and (light near emitting) with electrode near (gold or Au) near nm	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
107	BRS	6	(257/706 or 257/433) and ((light near emit\$4) or LED) and (dual or double) with heat	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
108	BRS	6	(257/706 or 257/433) and ((light near emit\$4) or LED) and (dual or double) with heat	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB



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